



# SAFETY DATA SHEET

**MATERION**

## 1. Identification

**Product identifier** Calcium Bromide (CaBr<sub>2</sub>)

**Other means of identification**  
**CAS number** 7789-41-5

**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer**

**Company name** Materion Advanced Chemicals Inc.  
**Address** 407 N 13th Street  
1316 W. St. Paul Avenue  
Milwaukee, WI 53233  
United States

**Telephone** 414.212.0257  
**E-mail** advancedmaterials@materion.com  
**Contact person** Laura Hamilton

**Emergency phone number** Chemtrec 800.424.9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Not classified.

### Label elements

**Hazard symbol** None.  
**Signal word** None.  
**Hazard statement** Not available.  
**Precautionary statement**

**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Substances

| Chemical name                        | Common name and synonyms | CAS number | %        |
|--------------------------------------|--------------------------|------------|----------|
| Calcium Bromide (CaBr <sub>2</sub> ) |                          | 7789-41-5  | 90 - 100 |

## 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.  
**Skin contact** Get medical attention if irritation develops and persists.  
**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.  
**Ingestion** Get medical advice/attention if you feel unwell.

|   |                        |
|---|------------------------|
| <b>Most important symptoms/effects, acute and delayed</b>                     | Not available.         |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically. |

## 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Water.   |
| <b>Unsuitable extinguishing media</b>                                | None known.  |
| <b>Specific hazards arising from the chemical</b>                    | Not applicable.  |
| <b>Special protective equipment and precautions for firefighters</b> | Wear suitable protective equipment.  |
| <b>Fire fighting equipment/instructions</b>                          | In the event of fire, cool tanks with water spray.                             |
| <b>Specific methods</b>  | Cool containers exposed to flames with water until well after the fire is out. |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.                                    |

## 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Not available.   |
| <b>Methods and materials for containment and cleaning up</b>               | Stop the flow of material, if this is without risk. Following product recovery, flush area with water. |
| <b>Environmental precautions</b>   | No special environmental precautions required.   |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Use care in handling/storage.  |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in original tightly closed container. Use care in handling/storage. Store in accordance with local/regional/national/international regulation. |

## 8. Exposure controls/personal protection

|  |   |
|--|---|
| <b>Occupational exposure limits</b>  | This substance has no PEL, TLV, or other recommended exposure limit.      |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).                |
| <b>Appropriate engineering controls</b>                                      | General ventilation normally adequate.                                    |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Not normally needed.  |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Not normally needed.  |
| <b>Other</b>   | Normal work clothing (long sleeved shirts and long pants) is recommended. |
| <b>Respiratory protection</b>  | No personal respiratory protective equipment normally required.           |
| <b>Thermal hazards</b>   | Not available.  |
| <b>General hygiene considerations</b>  | Handle in accordance with good industrial hygiene and safety practice.    |

## 9. Physical and chemical properties

|                       |                |
|-----------------------|----------------|
| <b>Appearance</b>     |                |
| <b>Physical state</b> | Solid.         |
| <b>Form</b>           | Solid.         |
| <b>Color</b>          | Not available. |
| <b>Odor</b>           | Not available. |
| <b>Odor threshold</b> | Not available. |

|   |                          |
|---|--------------------------|
| <b>pH</b>   | Not available.           |
| <b>Melting point/freezing point</b>                 | Not available.           |
| <b>Initial boiling point and boiling range</b>      | Not available.           |
| <b>Flash point</b>                                  | Not available.           |
| <b>Evaporation rate</b>                             | Not available.           |
| <b>Flammability (solid, gas)</b>                    | Not available.           |
| <b>Upper/lower flammability or explosive limits</b> |                          |
| <b>Flammability limit - lower (%)</b>               | Not available.           |
| <b>Flammability limit - upper (%)</b>               | Not available.           |
| <b>Explosive limit - lower (%)</b>                  | Not available.           |
| <b>Explosive limit - upper (%)</b>                  | Not available.           |
| <b>Vapor pressure</b>                               | < 0.0000001 kPa at 25 °C |
| <b>Vapor density</b>                                | Not available.           |
| <b>Relative density</b>                             | Not available.           |
| <b>Solubility(ies)</b>                              |                          |
| <b>Solubility (water)</b>                           | Not available.           |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.           |
| <b>Auto-ignition temperature</b>                    | Not available.           |
| <b>Decomposition temperature</b>                    | Not available.           |
| <b>Viscosity</b>                                    | Not available.           |
| <b>Other information</b>                            |                          |
| <b>Molecular formula</b>                            | Br <sub>2</sub> Ca       |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | Not available.  |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                 |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use. |
| <b>Conditions to avoid</b>                | None under normal conditions.                               |
| <b>Incompatible materials</b>             | None known.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.              |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Due to lack of data the classification is not possible. |
| <b>Skin contact</b> | Due to lack of data the classification is not possible. |
| <b>Eye contact</b>  | Due to lack of data the classification is not possible. |
| <b>Ingestion</b>    | Due to lack of data the classification is not possible. |

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

|                                  |   |
|----------------------------------|---|
| <b>Acute toxicity</b>            | Not available.  |
| <b>Skin corrosion/irritation</b> | Due to lack of data the classification is not possible. |

|  |   |
|--|---|
| <b>Serious eye damage/eye irritation</b> | Due to lack of data the classification is not possible.                         |
| <b>Respiratory or skin sensitization</b> |   |
| <b>Respiratory sensitization</b>         | Due to lack of data the classification is not possible.                         |
| <b>Skin sensitization</b>                | Due to lack of data the classification is not possible.                         |
| <b>Germ cell mutagenicity</b>            | Due to lack of data the classification is not possible.                         |
| <b>Carcinogenicity</b>                   | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

|   |   |
|---|---|
| <b>Reproductive toxicity</b>                              | Due to lack of data the classification is not possible.   |
| <b>Specific target organ toxicity - single exposure</b>   | Due to lack of data the classification is not possible.   |
| <b>Specific target organ toxicity - repeated exposure</b> | Due to lack of data the classification is not possible.   |
| <b>Aspiration hazard</b>                                  | Due to lack of data the classification is not possible.   |
| <b>Further information</b>                                | This product has no known adverse effect on human health. |

**12. Ecological information**

|                                      |  |
|--------------------------------------|--|
| <b>Ecotoxicity</b>                   | No ecotoxicity data noted for the ingredient(s).           |
| <b>Persistence and degradability</b> | No data is available on the degradability of this product. |
| <b>Bioaccumulative potential</b>     | Not available.   |
| <b>Mobility in soil</b>              | Not available.   |
| <b>Other adverse effects</b>         | Not available.   |

**13. Disposal considerations**

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

**14. Transport information**

|             |                                   |
|-------------|-----------------------------------|
| <b>DOT</b>  | Not regulated as dangerous goods. |
| <b>IATA</b> | Not regulated as dangerous goods. |
| <b>IMDG</b> | Not regulated as dangerous goods. |

**15. Regulatory information**

|  |   |
|--|---|
| <b>US federal regulations</b>  | CERCLA/SARA Hazardous Substances - Not applicable.      |
|  | All components are on the U.S. EPA TSCA Inventory List. |
| <b>Toxic Substances Control Act (TSCA)</b>                           |   |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b> |   |
|  | Not regulated.  |

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**      No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**      Not regulated.

**US state regulations**      California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**16. Other information, including date of preparation or last revision**

**Issue date**      08-09-2019

**Version #**      01

**Disclaimer**      The information in the sheet was written based on the best knowledge and experience currently available.